

Title (en)
SHEET ARTICLE SEPARATING MECHANISM AND CONTROL METHOD AND CONTROL SYSTEM THEREOF

Title (de)
BLATTARTIKEL-TRENNMECHANISMUS SOWIE STEUERVERFAHREN UND STEUERSYSTEM DAFÜR

Title (fr)
MÉCANISME DE SÉPARATION D'ARTICLES EN FEUILLES, PROCÉDÉ DE COMMANDE, ET SYSTÈME DE COMMANDE À CET EFFET

Publication
EP 2620398 A4 20150415 (EN)

Application
EP 12830035 A 20120709

Priority

- CN 201110265863 A 20110908
- CN 2012078347 W 20120709

Abstract (en)
[origin: EP2620398A1] A sheet medium separating mechanism and a control method and a control system thereof. When the head part of a currently separated medium reaches the front boundary of a preset speed regulating region in front of a money distributing wheel (111) and the tail part of the currently separated medium leaves the back boundary of a preset speed regulating region on the money distributing wheel, relative speeds of a money distributing wheel motor (122) and a back money distributing power wheel motor (120) are regulated, so that a preset medium separating distance is kept between the tail part of the currently separated medium and the head part of a next separated medium. Therefore, the sheet medium separating mechanism is adapted to sheet media of different shapes and different specifications, the money distributing wheel size and rotary inertia of longitudinal deposit equipment are reduced, and the motor load is effectively lowered.

IPC 8 full level
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CPC (source: EP US)
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C-Set (source: EP US)

1. **B65H 2701/1311** + **B65H 2220/01**
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3. **B65H 2513/10** + **B65H 2220/02**
4. **B65H 2511/22** + **B65H 2220/02**

Citation (search report)

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- [I] US 6572103 B1 20030603 - TRANQUILLA MICHAEL N [US]
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- [A] JP H0331128 A 19910208 - OKI ELECTRIC IND CO LTD
- [A] US 6224049 B1 20010501 - HOSKING STEVEN MICHAEL [GB], et al
- See references of WO 2013034022A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 12830035 A 20120709; AU 2012306907 A 20120709; CL 2013002391 A 20130819; CN 201110265863 A 20110908; CN 2012078347 W 20120709; US 201213883993 A 20120709